

Name: \_\_\_\_\_

**pb1103: Factoring when  $a = \text{prime}$  (v50)**

1. Factor the expression  $5x^2 + 17x + 6$

$$(5x + 2)(x + 3)$$

2. Factor the expression  $11x^2 - 59x + 20$

$$(11x - 4)(x - 5)$$

3. Factor the expression  $5x^2 - 12x + 4$

$$(5x - 2)(x - 2)$$

4. Factor the expression  $11x^2 + 49x + 20$

$$(11x + 5)(x + 4)$$

5. Factor the expression  $2x^2 + 7x + 5$

$$(2x + 5)(x + 1)$$

6. Factor the expression  $7x^2 - 30x + 8$

$$(7x - 2)(x - 4)$$

7. Factor the expression  $3x^2 + 35x + 72$

$$(3x + 8)(x + 9)$$

8. Factor the expression  $7x^2 + 16x - 15$

$$(7x - 5)(x + 3)$$

9. Factor the expression  $3x^2 - 14x - 49$

$$(3x + 7)(x - 7)$$

10. Factor the expression  $5x^2 - 42x - 27$

$$(5x + 3)(x - 9)$$